

JAVASCRIPT-CORE-S6-String-Method

JS session t Strings Cohort 10 TR
Training Clarusway
Pear Deck - January 31, 2022 at 3:17PM

Part 1 - Summary

Use this space to summarize your thoughts on the lesson

Part 2 - Responses

Slide 1

String Methods & String Properties Javascrip Session-6



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Use this space to take notes:

Slide 2

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- ▶ substring Method
- ▶ toLowerCase Method
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Your Response

▶ 

Did you finish Javascript Core pre-class material?

 Students choose an option

Pear Deck Interactive Slides

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Play Kahoot!

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Link(s) on this slide:

- <https://create.kahoot.it/details/4-string-methods/f69009f9-01f3-4e6b-9e1e-1cd08cf49f25>

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1 *length* Property



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► ***length*** Property



length method returns the count of the total number of characters



The length of an empty string is 0

```
<script>
  var best = "Clarusway";
  var second = "";
  console.log("best : " + best.length);
  console.log("second : " + second.length);
</script>
```



```
best : 9
second: 0
```



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2 ► ***concat()*** Method



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► concat() Method



The concat() method is used to combine two or more strings



This method does not modify the current strings but returns a new string that contains the joined strings text

```
<script>
  var first = "Clarus";
  var second = "Way";
  var complete = first.concat(second);
  console.log(complete);
  var greet = "Welcome to ";
  var secondComplete = greet.concat(first,second);
  console.log(secondComplete);
</script>
```

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```
Elements Console Sources
ClarusWay
Welcome to ClarusWay
```

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3 ► charAt() Method



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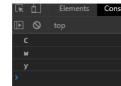
Slide 10

► **charAt()** Method



The `charAt()` method returns the char value at the specified index in a string

```
<script>
var best = "Clarusway";
console.log(best.charAt(0));
console.log(best.charAt(6));
console.log(best.charAt(best.length - 1));
</script>
```



⚠ Warning ! :The index of the first character is 0 and the index of the last character is `string.length-1`.

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4 *includes()* Method



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► ***includes()* Method**



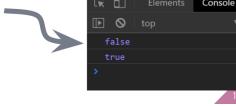
The `includes()` method specifies whether a string includes the characters of a specified string



This method returns true if the characters are in the string, and if not false

```
<script>
var best = "Hello friends, Welcome to Clarusway.";
console.log(best.includes("welcome"));
console.log(best.includes("Clarusway"));
</script>
```

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5 ***indexOf()* Method**



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► ***indexOf() Method***



The `indexOf()` method returns the position of a specified value in a sequence at the first occurrence.



This method returns -1 if the value is not found

```
<script>
var best = "Hello friends, Welcome to Clarusway.";
console.log(best.indexOf("welcome"));
console.log(best.indexOf("clarusway"));
</script>
```

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A screenshot of a browser's developer tools console. It shows three lines of code: `var best = "Hello friends, Welcome to Clarusway.";`, `console.log(best.indexOf("welcome"));`, and `console.log(best.indexOf("clarusway"));`. The output in the console is: top, -1, 26, >. A grey arrow points from the explanatory text above to this output.

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6 ► ***replace() Method***



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► *replace()* Method



The *replace()* method looks for a string for a given value and returns a new string to replace the specified values.

```
<script>
var best = "Hello Friends, Welcome to Clarusway.";
var second = best.replace("Hello", "Hi")
console.log(second);
console.log(best);
</script>
```

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A screenshot of a browser's developer tools console. It shows two lines of code: `Hi friends, Welcome to Clarusway.` and `Hello friends, Welcome to Clarusway.`. The first line is the result of the `second` variable, and the second line is the original `best` variable.

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► *search()* Method



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► **search()** Method

The search() method searches a string for a given value and returns the position(first item)

This method returns -1 if the value is not found

```
<script>
  var best = "Hello friends, Welcome to Clarusway.";
  console.log(best.search("to"));
  console.log(best.search("Edward"));
</script>
```

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8 ► **slice()** Method



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► ***slice()* Method**

The *slice()* method extracts a section of a string and returns it as a new string

We can use a negative number to select from the end of the string

```
<script>
var best = "Hello friends, Welcome to Clarusway.";
console.log(best.slice(0, 5));
console.log(best.slice(6, 13));
console.log(best.slice(15));
console.log(best.slice(15, -14));
</script>
```

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```
Hello
friends
Welcome to Clarusway.
Welcome
```

> 20

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9 ► ***split()* Method**



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► **split()** Method



The `split()` method divides a string into an array of substrings, and returns the new array



The `split()` method does not alter the original string

```
<script>
var best = "Hello friends, Welcome to Clarusway.";
var myArray = best.split(" ");
console.log(myArray);
</script>
```



A screenshot of a browser's developer tools console window titled "Console". It shows the command `best.split(" ")` being run and its output: `["Hello", "friends", "Welcome", "to", "Clarusway"]`. The console also includes tabs for Elements, Sources, Network, and Performance.

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10 ► **substr()** Method



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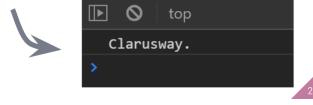
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► **substr()** Method

- The `substr()` method returns the parts of a string, beginning at the character at the specified position and a number of characters after it.
- The `substr()` method does not alter the original string.

```
<script>
  var best = "Hello friends, Welcome to Clarusway.";
  console.log(best.substr(26,10));
</script>
```

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11 ► **substring()** Method



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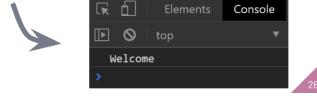
► **substring()** Method

The `substring()` method returns the parts of a string between "start" and "end", not including "end" itself.

The `substring()` method does not alter the original string

```
<script>
  var best = "Hello friends, Welcome to Clarusway.";
  console.log(best.substring(15,22));
</script>
```

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12 **toLowerCase()** Method



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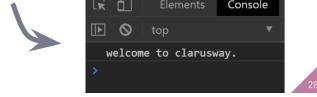
► ***toLowerCase()* Method**

The *toLowerCase()* method transforms a string to lowercase letters

The *toLowerCase()* method does not alter the original string

```
<script>
  var best = "Welcome to CLARUSWAY.";
  console.log(best.toLowerCase());
</script>
```

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13 ► ***toUpperCase()* Method**



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► ***toUpperCase()* Method**

The *toUpperCase()* method transforms a string to uppercase letters

The *toUpperCase()* method does not alter the original string

```
<script>
  var best = "Welcome to Clarusway.";
  console.log(best.toUpperCase());
</script>
```

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14 ► ***trim()* Method**



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► ***trim()* Method**

The `trim()` method eliminates whitespace from both sides of a string

The `trim()` method does not alter the original string

```
<script>
  var best = "      Welcome to Clarusway.      ";
  console.log(best.trim());
</script>
```

A screenshot of a browser's developer tools console. The title bar says 'Console'. Below it, there are tabs for 'Elements' and 'Console'. In the main area, the command 'Welcome to Clarusway.' is entered, followed by a greater than sign (>). The output shows 'Welcome to Clarusway.' with no leading or trailing whitespace. A small arrow points from the explanatory text above to this output.

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THANKS!

Any questions?

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